

DRILL HOLES

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BY: Ardalan Faghir Division: P068 Highway TrafficGMA Emp

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE PARTIAL RECONSTRUCTION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT US 50 AND MD 328 IN EASTON MD., TALBOT COUNTY. US 50 IS ASSUMED TO RUN IN AN EASTWEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA SIX-PHASE, FULL TRAFFIC-ACTUATED MODE WITH EXCLUSIVE PERMISSIVE LEFT TURNS FOR EASTBOUND AND WESTBOUND US 50 AND SIDE STREET SPLIT FOR MD 328. PHASE 3 PRE-EMPTION IS FOR EASTBOUND TRAFFIC ON GOLDSBOROUGH STREET. PHASE 4 PRE-EMPTION IS FOR WESTBOUND TRAFFIC ON MD 328. PHASE 2 AND 6 PRE-EMPTION IS FOR EASTWESTBOUND US 50.

SPECIAL NOTES

1. THE CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:
PROJECT CONTACTS:

DISTRICT 2

MR. TERRY WRIGHT - DISTRICT ENGINEER
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MR. BARRY CLOTHIER - UTILITY ENGINEER
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MR. JEFF WENTZ - ADE TRAFFIC
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MR. WILLIAM EMBERT - ADE CONSTRUCTION
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ADE MAINTENANCE
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OFFICE OF TRAFFIC AND SAFETY

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CHIEF, TRAFFIC OPERATIONS
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MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630
MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
410-787-7650
MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7670
MS. DARLENE EIDE
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

EQUIPMENT LIST

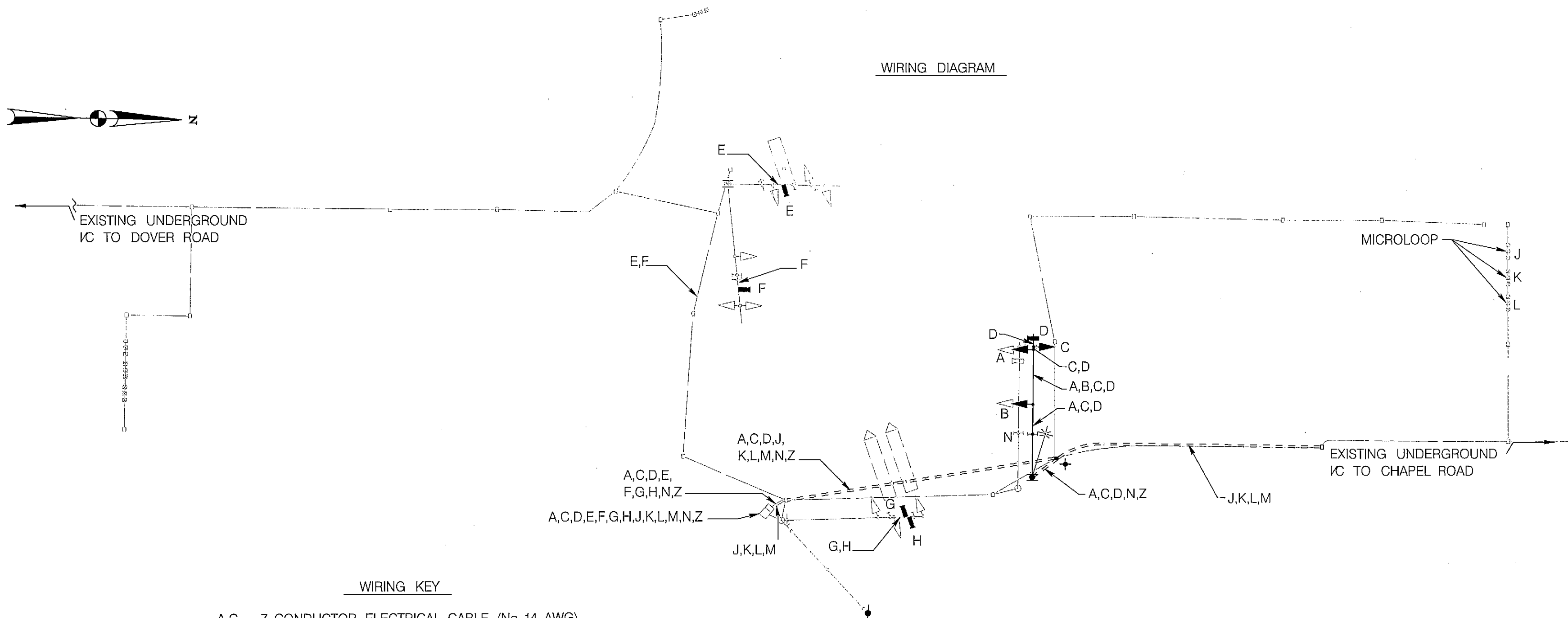
A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM CODE	UNIT	QUANTITY	DESCRIPTION
900000	EA	1	VIDEO DETECTION INTERFACE EQUIPMENT, (FOR 5-8 CAMERAS)
973023	SF	70	FLAT SHEET ALUMINUM SIGNS CONSISTING OF: ASSOCIATED SHIELD ASSEMBLY (36"X72") BAND TO POLE - 2 EACH ASSOCIATED SHIELD ASSEMBLY (24"X48") BAND TO POLE - 2 EACH ASSOCIATED SHIELD ASSEMBLY (48"X72") WOOD POST MOUNT - 1 EACH, USE 1-6 INCH X 8 INCH WOOD POST (DRILLED)

B. EQUIPMENT TO BE FURNISH AND/OR INSTALLED BY CONTRACTOR

ITEM CODE	UNIT	QUANTITY	DESCRIPTION
120500	LS	1	MAINTENANCE OF TRAFFIC
203030	CY	1	TEST PIT EXCAVATION
585625	LF	30	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING
800000	LS	1	REMOVE AND DISPOSE EQUIPMENT
800000	LS	1	DISCONNECT, PULL BACK AND REROUTE CABLE
801004	CY	5	CONCRETE FOR SIGNAL FOUNDATION
801607	SF	70	INSTALL SHEET ALUMINUM SIGN
802501	LF	190	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
805135	LF	170	3 INCH SCHEDULE 80 REGID PVC CONDUIT-TRENCHED
805155	LF	170	4 INCH SCHEDULE 80 REGID PVC CONDUIT-SLOTTED
811001	EA	1	FURNISH AND INSTALL ELECTRICAL MANHOLE
813006	SF	12	RELOCATE SIGNS FROM EXISTING OVERHEAD STRUCTURES
813010	EA	5	BAND SIGN TO SUPPORT
816001	EA	5	VIDEO DETECTION CAMERA
816005	EA	2	CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER
816010	EA	3	CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER
818052	EA	1	STEEL POLE WITH SINGLE 70 FOOT MAST ARM
831010	EA	1	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE
837001	EA	1	GROUND ROD-3/4 INCH DIAMETER X 10 FOOT LENGTH
860270	EA	3	8 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
860284	EA	10	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
861107	LF	40	ELECTRICAL CABLE-5 CONDUCTOR (NO. 14 AWG)
861108	LF	560	ELECTRICAL CABLE-7 CONDUCTOR (NO. 14 AWG)
861116	LF	200	ELECTRICAL CABLE-2 CONDUCTOR (NO. 12 AWG), TRAY CABLE
866104	EA	1	20 FOOT LIGHTING ARM ON SIGNAL STRUCTURE

WIRING DIAGRAM



WIRING KEY

A,C - 7-CONDUCTOR ELECTRICAL CABLE (No. 14 AWG)
B - 5-CONDUCTOR ELECTRICAL CABLE (No. 14 AWG)
D,E,F,G,H - VIDEO DETECTION CONTROL CABLE
Z - 1 CONDUCTOR (No. 6 AWG) STANDED COPPER GROUND WIRE
+ - GROUND ROD
J,K,L - EXISTING MICROLOOP PROBE LEAD-IN TO BE REROUTED
M - EXISTING INTERCONNECT CABLE TO BE REROUTED
N - ELECTRICAL CABLE -2 CONDUCTOR (NO.12 AWG), TRAY CABLE

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12
PHASE 1 AND 5	←GR	←GR	R	←GR	←GR	R	R	R	R	R	R	R
1 AND 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASE 1 & 6 OR 2 & 5 OR 2 & 6											
PHASE 1 AND 6	←GG	←GG	G	R	R	R	R	R	R	R	R	R
1 CHANGE	←YG	←YG	G	R	R	R	R	R	R	R	R	R
PHASE 2 AND 5	R	R	R	←GG	←GG	G	R	R	R	R	R	R
5 CHANGE	R	R	R	←YG	←YG	G	R	R	R	R	R	R
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	R
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R
PHASE 3	R	R	R	R	R	R	←GG	←GG	G	R	R	R
3 CHANGE	R	R	R	R	R	R	Y	Y	Y	R	R	R
PHASE 4	R	R	R	R	R	R	R	R	R	←GG	←GG	G
4 CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	Y
PRE-EMPTION PHASE 2 & 6	G	G	G	G	G	G	R	R	R	R	R	R
PRE-EMPTION 2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R
PRE-EMPTION PHASE 3	R	R	R	R	R	R	←GG	←GG	G	R	R	R
PRE-EMPTION 3 CHANGE	R	R	R	R	R	R	Y	Y	Y	R	R	R
PRE-EMPTION PHASE 4	R	R	R	R	R	R	R	R	R	←GG	←GG	G
PRE-EMPTION 4 CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

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STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 50 AND MD 328 (MATTHEWSTOWN ROAD)
EASTON, MD

GENERAL INFORMATION SHEET

SCALE	NONE	ADVERTISED DATE	CONTRACT NO.	TA3225176
DESIGNED BY	AFAMH	COUNTY	TALBOT	
DRAWN BY	RLB	LOGMILE	20005011.15	
CHECKED BY	JFL	TIMS NO.	K308	
F.A.P. NO.	SEE TITLE SHEET	TOD NO.		
TS NO. 532E-G1	DRAWING SP-2	OF 2	SHEET NO.	OF